



NIKKISO NON-SEAL PUMP DATA SHEET

(CENTRIFUGAL CANNED MOTOR PUMP) HNAA8-C4CHT-02D1XX
-ACCCE5H1KG

PURCHASER _____ DOC NO. KU82E9127C-DS REV. 0
OWNER _____ PURCHASER JOB NO. _____
SITE _____ ORDER NO. _____
UNIT _____ NIKKISO MASTER NO. EKU82E9127
SERVICE _____ MADE BY YOSHIMURA 2023-03
ITEM NO. HNAA8-C4 APPROVED BY KITAJIMA 2023-03
NO. OF PUMP REQ 1 DRIVER CANNED MOTOR LNA JOB NO. 69346
PUMP MFR. NIKKISO CO., LTD. MODEL NO. HNAA8-C4 SERIAL NO. EK82E9127C-1

OPERATING CONDITION				PERFORMANCE	
LIQUID PROCESS		CAP. @PT(USgpm) NOR		SPEED (min ⁻¹)	3400
		RATED 150		NPSHR (WATER) (ft)	17.55
PUMPING TEMP. (°F)	68	DISCH. PRESS (psig)	97.6	MIN. CONTINUOUS FLOW (gpm)	19.81
SP. GR. @PT	1	SUCT. PRESS (psig) MAX		ROTATION (VIEWED FROM MOTOR)	CW
VAP. PRESS @PT (psia)	0.01	NOR	0	PUMP EFF (%)	50.2
VIS @PT (cP)	1	DIFF. PRESS (psig)	97.6	RATED BHP (HP)	16.92
SP. HEAT (BTU/lb-F)	1	DIFF. HEAD (ft)	225	MAX. BHP (HP)	18.02
MELTING TEMP. (°F)		NPSHA (ft)	25	MAX. HEAD (FT)	284
CORR/EROS. CAUSED BY		HYD. hp (HP)	8.5	WITH RATED IMP.	

CONSTRUCTION				AUXILIARY PIPING	
CASING MOUNT FOOT		CASING SPLIT RADIAL		C. W. REQ (gpm)	MAX 5 (°F)
TYPE SINGLE VOLUTE				REV. CIRCULATION (gpm)	-
MAX. ALLOWABLE PRESS. (psig)	275	@ (°F)	68	LOSS IN REV. CIRC. LINE (ft)	-
HYDROSTATIC TEST PRESS. (psig)	413			EXT. FLUSH FLUID	-
IMPELLER DIA. (in.) RATED	8.19	MAX	8.19	(gpm)	-
		MIN	6.14	(psig)	-
MOUNT OVERHUNG		IMPELLER TYPE	CLOSED		
BEARING TYPE	RADIAL SLEEVE	THRUST	PLAIN		
LUBRICATION	SELF (PUMPING LIQUID)				
NO. OF STAGES	1				
COUPLING	NOT REQ'D				
MECHANICAL SEAL	NOT REQ'D				

MATERIALS					
CASING	SCS14A				
IMPELLER	SCS14A				
SHAFT	SUS316				
STATOR LINER (CAN)	HC-N				
ROTOR SLEEVE (CAN)	HC-N				
BEARING	CG2				
SHAFT SLEEVE	SUS316/HCR				
THRUST WASHER	SUS316/HCR				
PUMP GASKET	PTFE-CE				
MOTOR GASKET	PTFE				
STATOR BANDS	S400 (C. ST.)				

BEARING MONITOR E MONITOR FOR LOCAL INDICATION

MOTOR DRIVER				INSPECTION & TESTS	
kw / HP	25 / 33.52	SYNCHRONOUS SPEED (min ⁻¹)	3600	TEST	REQ
VOLT / PHASE / HERTZ	460 / 3 / 60				WIT
FULL LOAD AMPS	44	LOCKED ROTOR AMPS	196	PERFORMANCE	YES NO
MANUFACTURER	NIKKISO	TYPE	SQUIRREL CAGE INDUCTION MOTOR	HYDROSTATIC	YES NO
INSULATION CLASS	C				
ENCL IP55	EX-PROOF	TE			
CONDUIT TAP	FOR MOTOR LEAD	NPT 2			
	FOR THERMOSTAT	NPT 3/4			

WEIGHT (lb)
(PUMP & MOTOR) 405

REMARKS
THERMOSTATS ARE NORMALLY CLOSE

PAINTING MUNSELL 10GY5.3/3

MATERIAL CODE (ASTM EQUIVALENT)
FCD450 DUCTILE IRON (A536 65-45-12)
SCW480 CAST STEEL (A216 WCB)
S25C STEEL (A108 1025)
SCS13A 304 SS CASTING (A351 CF8)
SCS14A 316 SS CASTING (A351 CF8M)
SUS304 304 SS (A276 304)
SUS316 316 SS (A276 316)
HC HASTELLOY C-276 (B575) EQUIV.
CG X CARBON GRAPHITE NO. X (---)
V6501 NON-ASBESTOS SHEET (---)
PTFE POLYTETRAFLUORO ETHYLENE (---)
HCR HARD CHROMIUM PLATING (---)
GRA GRAPHITE SHEET (---)